

What is claimed is:

1. A method of installing a turfgrass or landscape planting moisture and air reservoir, base soil weed germination preventor, and insect soil movement preventor, the method comprising the steps of:

positioning a substantially continuous dimensional reticulated material over a base surface in an area which is to contain landscape plantings; and positioning turfgrass or landscape plants over the substantially continuous panel, wherein the dimensional reticulated material consists of a material with a partially open cell size such that roots of turfgrass and landscape plants growing from above the material can penetrate and grow through the material but leaf material of weeds and plant seeds germinating from below the material are too large and cannot grow up through the cell size of the material, also wherein the cell size of the reticulated material is too small for insects to enter and move through the material, also wherein the reticulated material provides an air and water reservoir for the roots growing into the reticulated material.

2. The method of claim 1 wherein the substantially continuous dimensional reticulated material is chosen from a material of polyurethane foams.

3. The method of claim 2 wherein the polyurethane foam is made up of a polyether material that is non-reticulated and has an open cellular structure.

4. The method of claim 2 wherein the polyurethane foam has a pore size of substantially 100 pores per inch..

5. The method of claim 2 wherein the polyurethane foam has a density of .1 to 20 pounds per cubic foot.

6. The method of claim 1 wherein the open cell reticulated material is laid down in panels which substantially butt up to each other or over lap so as to leave no gaps beneath the turfgrass or landscape plantings.

7. A method of installing a turfgrass or landscape planting moisture and air reservoir, base soil weed germination preventor, and insect soil movement preventor, the method comprising the steps of:

positioning a substantially continuous dimensional reticulated material over a base surface in an area which is to contain landscape plantings; and positioning turfgrass or landscape plants over the substantially continuous panel, wherein the dimensional reticulated material consists of a material with a partially open cell size such that roots of turfgrass and landscape plants growing from above the material can penetrate and grow through the material but leaf material of weeds and plant seeds germinating from below the material are too large and cannot grow up through the cell size of the material, also wherein the cell size of the reticulated material is too small for insects to enter and move through the material, also wherein the reticulated material provides an air and water reservoir for the roots growing into the reticulated material.; and periodically injecting a gaseous or liquid pest control material into the open, cellular structure of the reticulated material.

8. The method of claim 7 wherein the gaseous or liquid pest control material is injected into the open, cellular structure of the reticulated material by a sharp needle-like device which penetrates the top turfgrass or landscape planting area into the open cell reticulated material where an orifice in the needle directly injects the material under pressure.

9. A weed and insect control apparatus adapted to be incorporated into the root zone of a turfgrass or landscape planting area, the apparatus comprising:

a substantially continuous dimensional reticulated panel material which may be positioned substantially parallel to the area to be planted; the dimensional reticulated material consisting of a material with a partially open cell size such that roots of turfgrass and landscape plants growing from above the material can penetrate and grow through the material but leaf material of weeds and plant seeds germinating from below the material are too large and cannot grow up through the cell size of the material, also wherein the cell size of the reticulated material is too small for insects to enter and move through the material, also wherein the reticulated material provides an air and water reservoir for the roots growing into the reticulated material.

10. The apparatus of claim 9 wherein the substantially continuous dimensional reticulated material is chosen from a material of polyurethane foams.

11. The apparatus of claim 10 wherein the polyurethane foam is made up of a polyether material that is non-reticulated and has an open cellular structure.

12. The apparatus of claim 11 wherein the polyurethane foam has a pore size of substantially 100 pores per inch..

13. The apparatus of claim 10 wherein the polyurethane foam has a density of .1 to 20 pounds per cubic foot.

14. The apparatus of claim 9 wherein the open cell reticulated material is laid down in panels which substantially butt up to each other or overlap so as to leave no gaps beneath the turfgrass or landscape plantings.

15. A weed and insect control apparatus adapted to be incorporated into the root zone of a turfgrass or landscape planting area, the apparatus comprising:

a substantially continuous dimensional reticulated panel material which may be positioned substantially parallel to the area to be planted; the dimensional reticulated material consisting of a material with a partially open cell size such that roots of turfgrass and landscape plants growing from above the material can penetrate and grow through the material but leaf material of weeds and plant seeds germinating from below the material are too large and cannot grow up through the cell size of the material, also wherein the cell size of the reticulated material is too small for insects to enter and move through the material, also wherein the reticulated material provides an air and water reservoir for the roots growing into the reticulated material; and

a means for injecting a gaseous or liquid pest control material into the open, cellular structure of the reticulated material.

16. The apparatus of claim 15 wherein the gaseous or liquid pest control material is injected into the open, cellular structure of the reticulated material by a sharp needle-like device which penetrates the top turfgrass or landscape planting area into the open cell reticulated material where an orifice in the needle directly injects the material under pressure